

8-2-01

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PATENT

Docket No. JCLA6567

Date: August 1, 2001

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

ATTENTION: APPLICATION BRANCH

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): KAI-SHU YANG
CHIN-CHEN CHANG
DING-ZHOU DUAN
MING-FEN LIN

JC973 U.S. PRO
09/920035
08/01/01

For: A METHOD OF CONSTRUCTING PROGRESSIVE MESH

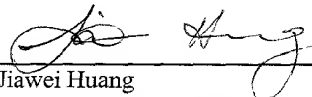
Enclosed are:

- (X) THREE SET copies of Specification in (21) pages.
- (X) (5) sheets of drawings in THREE SET.
- (X) Recordation Form Cover sheet with (2) page assignment.
- (X) **SIGNED** Declaration and Power of Attorney.
- (X) A certified copy of Taiwan Patent Application No. 90105912 dated 3/14/01.
- (X) Petition to The Commissioner Under 37 CFR 1.84.
- (X) Return prepaid postcard.

CLAIMS AS FILED

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Basic Fee			\$ 710	\$ 710
Total Claims	23 - 20 = 3	×	\$ 18	\$ 54
Independent Claims	1 - 3 = 0	×	\$ 40	\$ 0
If application contains any multiple dependent claims(s), then add			\$ 270	\$ 0
For a Small Entity:			TOTAL FILING FEE	
			\$ 764	

- (X) A check in the amount of \$ 764 to cover the filing fee is enclosed.
- (X) A check in the amount of \$ 40 to cover the assignment recording fee.
- (X) A check in the amount of \$ 130 to cover the fee set forth in 37 CFR 1,17(I).
- (X) The commissioner is authorized to charge any additional necessary fee to Account No. 50-0710 (Order No. JCLA6567). A duplicate copy of this sheet is enclosed.


Jiawei Huang
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Washington, D.C. 20231

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Docket No. : JCLA6567
Inventor(s) : KAI-SHU YANG
CHIN-CHEN CHANG
DING-ZHOU DUAN
MING-FEN LIN
For : A METHOD OF CONSTRUCTING PROGRESSIVE MESH
"Express Mail"
Mailing Label No. : EL800897474US
Date of Deposit : August 01, 2001

I hereby certify that the accompanying

Transmittal in Duplicate; Specification in 21 page(s); 5 Pages of Drawings;
SIGNED Declaration and Power of Attorney in 2 page(s); Assignment and
Recordation Cover Sheet in 3 pages; Preliminary Amendment; Petition to the
Commissioner under 37 CFR 1.84; Certified Copy of Taiwan Patent Application
No. 90105912 ;Checks for Filing Fee(s); Return Prepaid Postcard ; *Petition under*
37 CFR §1.84

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


Michelle Chang

In re application of:)
Filed: **HEREWITH**)
For: A METHOD OF CONSTRUCTING)
PROGRESSIVE MESH)
Examiner: (not assigned))
Art Unit: (not assigned))

PETITION TO THE COMMISSIONER UNDER 37 C.F.R. §1.84

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

Sir:

This is a petition for filing color drawings/photographs in connection with the above-identified utility patent application under 37 C.F.R. §1.84.

The reason why it is necessary to use color photographs in this application is as follows:

The above-identified application is directed to a method of constructing progressive meshing operation using a forest-clustering algorithm.

Figs. 5 is a diagram showing a mesh of a Beethoven head sculpture represented by 5030 triangles into a simplified mesh by eliminating 2012 triangles in a single forest-clustering progressive meshing operation. Fig. 6 shows a vertex cluster $c(u)$, $c(v_0)$ and expansion $e = (u, v, v_0)$. Fig. 7 shows a forest clustering operation of the cluster shown in Fig. 6. Applicants believe that color drawings/photographs are the only practical medium to disclose the subject matter (especially constructing the progressive meshing using a forest-clustering algorithm utilizing quality control methods and error estimation schemes to reproduce a highly similar simplified mesh or a progressive mesh of the original mesh) sought to be patented in the above-identified application.

Enclosed herewith are:

a check in the amount of \$130 to cover the fee set forth in 37 C.F.R. §1.17(I);
three (3) sets of the color drawings/photographs; and
a Preliminary Amendment is also enclosed herewith, inserting the language specified in 37 C.F.R. §1.84 (a) (iii).

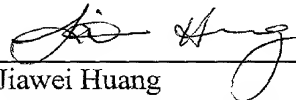
Approval of using the above-identified color drawings/photographs in the above-identified application is respectfully requested.

08/06/2001 SSITH1B1 00000024 09920035

03 FC:122

130.00 0P

Respectfully submitted,
J.C. Patents


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